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Daystrom, Incorporated

A subsidiary of Schlumberger Limited



Daystrom, Incorporated is engaged principally in the electrical, electronic, and electro-mechanical components and instrumentation fields.

Through five U.S. divisions and subsidiaries and five foreign operations, the company manufactures a diversified product line involving systems engineering, measurement, testing and simulation, computation, and process control. Its business is divided about evenly between industrial, military, aerospace, and consumer products.

Daystrom products include electrical and electronic instruments, gauges, meters, recorders and controllers for industrial processes, computers, control systems and devices, underwater acoustical equipment and systems, servo motors and motor-generators, synchros, servo packages, potentiometers, specialized resistors; audio and high fidelity equipment, amateur radio gear, television, marine instruments, automotive and industrial test devices, and electronic science and educational sets, all in kit form.

Daystrom also manages the Furniture Division of Schlumberger Limited, the parent company. The Furniture Division consists of Daystrom Furniture, South Boston, Virginia, and Virtue Bros. Mfg. Co., Los Angeles, California. Both units serve the metal, wood, and plastic dinette, kitchen, and casual furniture markets.

The company, including the Furniture Division, employs nearly 6,100, over 4,000 of whom are engaged in direct production. More than 350 are professional engineers and scientists.

The company began in 1892 as American Type Founders Company, a manufacturer of metal type and printing and graphic arts equipment and supplies. Transition to the present fields of activity was begun in 1944 through a program of acquisition. The name "Daystrom," adopted in 1951, stems from the 1945 acquisition of Daystrom Furniture Company. All printing and graphic arts activity was discontinued in 1955.

The following pages describe in more detail the various Daystrom, Incorporated operating units—plant size and locale, number employed, and a brief summary of products and capabilities.

J. B. MONTGOMERY
President



The Weston name has been a significant part of the electrical, electro-mechanical industry for seventy-five years.



Accuracy of manufacture and assurance of precise performance are bywords of Weston production.

WESTON INSTRUMENTS AND ELECTRONICS DIVISION

Vice President and General Manager: Louis H. Aricson

Plants: Newark, New Jersey (Home Office)
Scranton-Archbald, Pennsylvania
Poughkeepsie, New York
Union, New Jersey
Ponce, Puerto Rico

Employment: 3,360

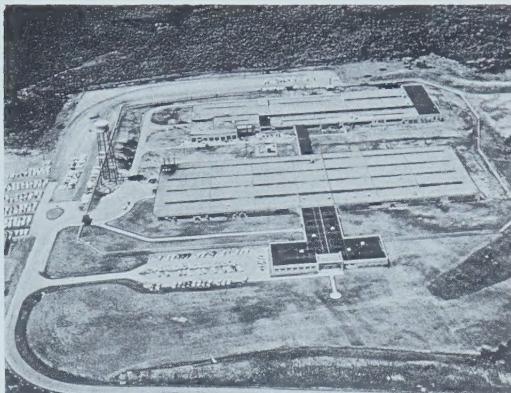
Area: 902,500 square feet

Weston products are known the world over and have been a significant part of the electrical, electro-mechanical instrument industry throughout the organization's 75-year history.

Weston manufactures and markets a varied line of measuring and control instruments, meters, relays, gauges (including x-ray and optical), potentiometers, varistors, industrial recorders and process controllers, electronic components, test equipment, instru-



Micro-assembly techniques and a sure touch are required in the production of Daystrom potentiometers at Weston's Pennsylvania plant.

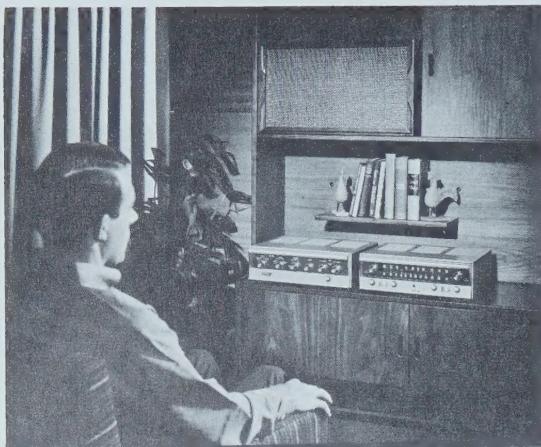


Weston's Scranton-Archbald, Pennsylvania plant is located atop a man-made plateau.

ment transformers, calibrators, thermometers, and specialized systems. Markets are industrial, aerospace, consumer and military.

Weston products have been and are being utilized in all phases of Project Mercury and have been specified for the forthcoming Project Gemini. The division's technology and products are being applied to such highly specialized projects as Dyna-Soar, principal U.S. Air Force space effort; Apollo, three-man moonshot vehicle; and Possum, a compact tactical military data processing system. Weston equipment is used on or in conjunction with the Minuteman, Terrier, and Hawk missile programs. The division is also involved in atomic submarine reactor control instrumentation, computer memory systems, specialized laboratory equipment and training simulators.

Weston research and development is pointed toward advanced solid state techniques, the application of taut band principles to elastic instrument suspensions, the study of metal films and specialized metallurgy, display systems and devices, and improvement and refinement of the present product line.



The electronic kit concept pioneered by The Heath Company has enabled many thousands to enjoy hi-fidelity sound reproduction.



A transceiver is one of many "do-it-yourself" Heathkit products available to the home and hobby enthusiast.

THE HEATH COMPANY

President: Charles M. Kirkland

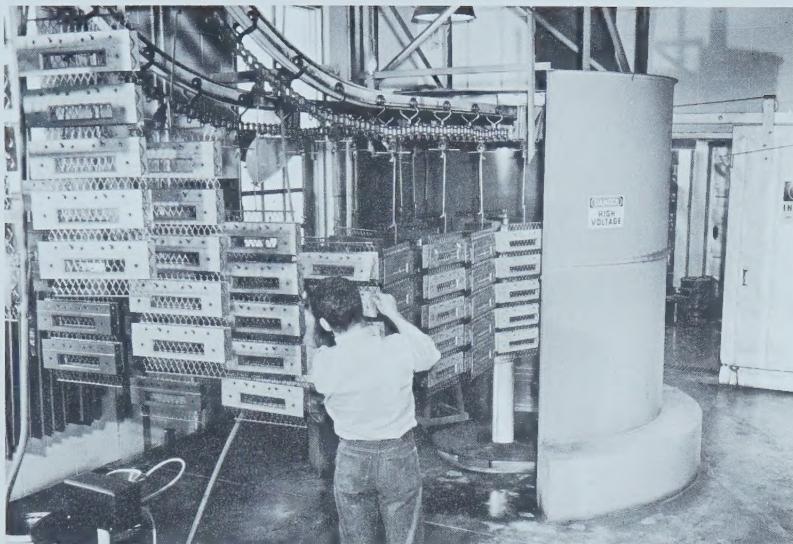
General Manager (European Heath Operations): Albert E. B. Perrigo

Plant: Benton Harbor - St. Joseph, Michigan

Employment: 560

Area: 205,000 square feet

The Heath Company, a wholly-owned subsidiary, is a pioneer in the design, production, and sale by direct mail of electronic home and hobby equipment and industrial test devices in both kit and



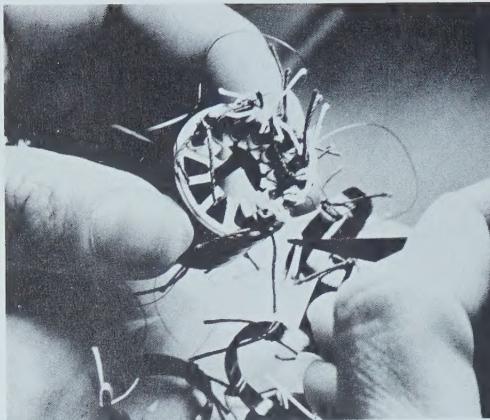
Modern production and assembly techniques are utilized in the manufacture of all Heath products.

assembled form. Today it is the world leader in the manufacture and direct mail sale of electronic equipment in kit form.

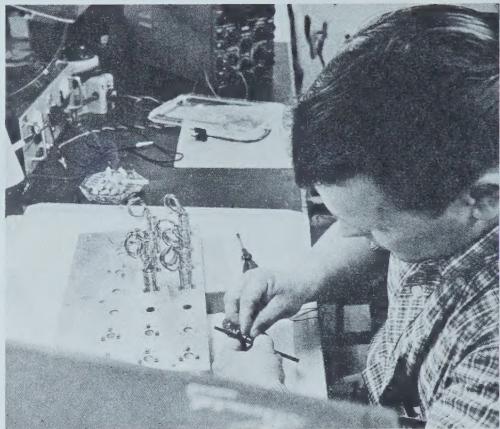
Heath produces a widely diversified line including audio and high fidelity equipment, amateur radio gear, standard radio and television sets, citizens band equipment, marine instruments (radio-telephones, depth sounders, direction finders), automotive and industrial test devices and instrumentation, and scientific and educational electronic kits. Many Heath products are also available in assembled form.

Heath is expanding in the growing field of leisure-oriented products. New product effort is pointed toward items such as transistorized musical instruments, boating equipment, photographic accessories, more specialized electronic hobby kits, and "do-it-yourself" *vhf* and *uhf* television sets.

Heath has also opened retail stores featuring the line in both kit and assembled form.



Delicate skills are required in the winding of a small servomotor, one of many rotating components produced by Transicoil.



Rotary components are test-fixture before undergoing rugged environmental testing.

TRANSICOIL DIVISION

General Manager: Richard E. Bennett

Plant: Worcester, Pennsylvania

Employment: 445

Area: 61,000 square feet

Transicoil is a manufacturer of precision rotating components and related assemblies. Its products include miniature and subminiature servo motors, motor-generators, temperature-compensated mo-

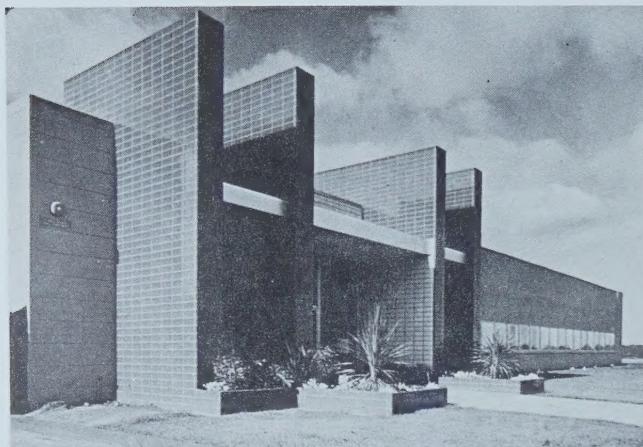


The Transicoil Division plant is located in the rolling hills of Eastern Pennsylvania.

tor-generators, synchros, pancake resolvers, and servo packages. The division's principal market is the military.

Transicoil products are used as part of the guidance, radar, and control systems in a number of vital defense missile projects including Polaris, Pershing, Sergeant, and DASH. The division's components are utilized in air data computers, radar systems, flight control systems, automatic pilots, bombing computers, flight recorders, altimeters, and navigational equipment for several U.S. and NATO military aircraft.

Current research and development effort at Transicoil is directed toward expanding the present product line, developing components capable of operation in increasing extremes of environmental conditions, and adaptation of the line to varied non-military markets. Product expansion includes the development of a broad line of high-frequency resolvers and phase shifters as well as multi-speed synchros and resolvers. For industry, the division is working on a line of instrument components for automatic control systems.



Modernistic plant, reflecting specialized and advanced nature of effort, houses Control Systems Division.

CONTROL SYSTEMS DIVISION

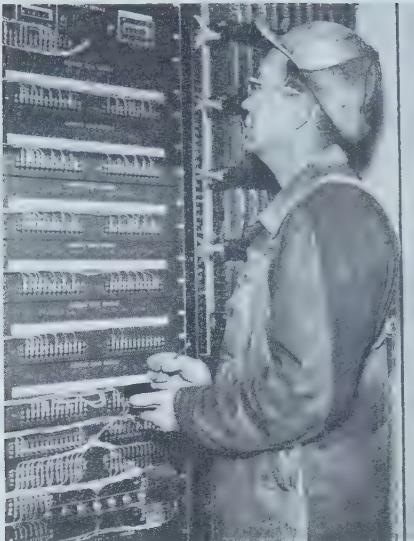
General Manager: Paul G. Miller

Plant: LaJolla, California

Employment: 205

Area: 30,000 square feet

Control Systems is aptly named, its concern being every phase of control systems development from preliminary feasibility studies through manufacture and installation of appropriate instrumentation and allied equipment. Markets are both military and industrial.



Satellite telemetering equipment produced by Control Systems Division is applied to special petroleum industry requirements.



Daystrom computers, built by Control Systems Division, monitor complete "on line" production processes.

The division is engaged in a wide range of complex projects involving many different types of systems and instrumentation. Included are digital control systems incorporating the division's third-generation 636 General-Purpose Digital Computer, analog control systems, telemetering systems, magnetic memory systems, analog sub-systems, and special purpose computer systems.

Control Systems has developed a line of instruments designed to solve specific systems problems. These include Magsense® controllers, tape-to-tape converters, transducers, d-c amplifiers, and special-purpose printers.

The division, utilizing its background of program development and application to the power generation, steel, chemical and petroleum industries, is expanding in both product line and market areas, particularly in the development and manufacture of on-line control systems and data processing programs for both the industrial and aerospace fields.



Poughkeepsie, New York plant of Daystrom's Electric Division produces Anti-Submarine Warfare instrumentation and ordnance.

ELECTRIC DIVISION

General Manager: A. Edward Smick

Plant: Poughkeepsie, New York

Employment: 150

Area: 50,000 square feet

High technical competency in the specialized field of Anti-Submarine Warfare (ASW) and allied oceanography is the outstanding capability of the Electric Division.



Daystrom Electric Division technology is being applied to many problem areas in the study of the seas.



The **State Star**, oceanographic research vessel operated by Electric Division, is literally a floating electronic laboratory.

Although deeply involved in both basic and applied research and development, the division manufactures a product line including explosive echo ranging ASW detection systems, related ASW ordnance, and integrated airborne ASW detection recording equipment.

The division's research and development over the past several years has resulted in the production of specialized ordnance items such as the Mark 15 Practice Depth Charge, the Mark 22 Sofar Bomb, the Mark 4 and Mark 5 Drill Mine Kits, the Mark 255 and Mark 257 Electric Bomb Fuse, the Mark 59 SUS (Signal Underwater Sound), the Mark 36 Limpet Mine, and the Mark 37 Drill Mine.

In addition to a modern plant, the division's physical facilities include a deepwater test quarry and an ocean-going research vessel.



New Daystrom plant in West Germany produces many Heath products for sale in expanding European consumer market.



In Canada, Daystrom, Limited produces electrical-electronic instruments, components, measurement and control devices, and many Heath products.

FOREIGN OPERATIONS

General Manager (European Heath Operations): Albert E. B. Perrigo

Plants: Gloucester, England

Spredlingen bei Frankfurt/Main, Germany

Sales Offices: Vienna, Austria

Geneva, Switzerland

Zurich, Switzerland

President (Daystrom, Limited): John H. Baldwin

Plant: Cooksville, Ontario, Canada

Area: 67,000 square feet (total)

Employment: 270 (total)



Daystrom's Gloucester, England plant produces a broad line of Heath products for United Kingdom market.

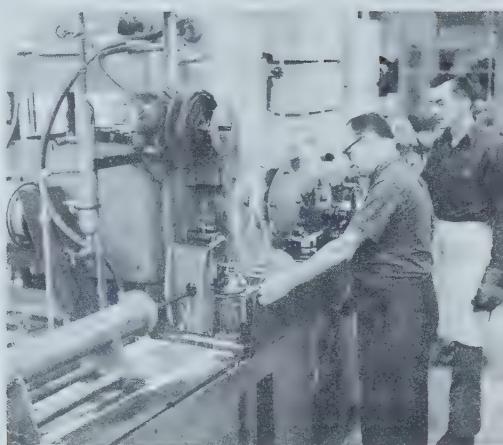
Daystrom's foreign operations cover two distinct manufacturing and marketing areas.

In Canada, Daystrom, Limited not only markets the industrial products of the domestic divisions, but also produces a line of electrical-electronic instruments, components, and measurement and control devices. It also produces for sale in Canada many Heath products.

The principal effort in an expanding European consumer market, however, is centered on the manufacture and marketing of Heath home and hobby and industrial test equipment in both kit and assembled form.



The new South Boston, Virginia plant of Daystrom Furniture is one of the finest facilities of its type in the country.



Graceful and sturdy legs for dinette and casual furniture produced by Daystrom are formed from lengths of metal tubing.

FURNITURE DIVISION

President: Lawrence C. Alles

Daystrom Furniture

General Manager: Francis A. Piechota

Plant: South Boston, Virginia

Employment: 435

Area: 200,000 square feet

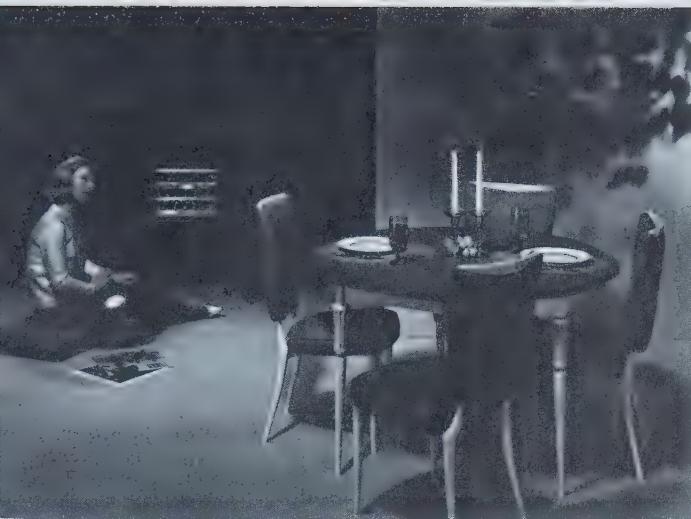
Virtue Bros. Mfg. Co.

General Manager: Orville McIntosh

Plant: Los Angeles, California

Employment: 580

Area: 450,000 square feet



An example of the high style furniture produced by Virtue is this elegant dinette ensemble.



Plant producing the Virtue line of fine furniture is located adjacent to Los Angeles airport.

The Furniture Division, which Daystrom manages for its parent company, Schlumberger Limited, manufactures a varied product line serving the metal, wood, and plastic dinette, kitchen, and casual furniture markets. The division also produces chairs, tables, and incidental furniture for public rooms and restaurants.

Consumers and dealers know both units of the division to be designers and manufacturers of distinctively styled, high quality furniture. The division's products are sold only through better retail furniture outlets.

The South Boston plant, completed in 1962, is considered one of the finest facilities of its type in the country.

WASHINGTON OFFICE

425 13th Street, N. W.

Washington, D. C.

Daystrom, Incorporated
Murray Hill, New Jersey

Daystrom, Inc.

Division of Schlumberger

President

Vice Pres.
Controller

Corporate
Staff

Vice Pres.
Gen'l. Counsel

Vice Pres.
Gov't. Opn's.

Vice Pres.
Engineering

Operating Div.

President
Furniture
Div.*

Gen'l. Mgr.
Control Systems
Div.

Gen'l. Mgr.
Transicoil
Div.

Vice Pres., Ge
Weston Inst
& Electroni

So. Boston, Va.

Los Angeles, Calif.

Manufactures
varied line
serving the
metal, wood
and plastic
dinette, kitchen
and casual
furniture
markets.

La Jolla, Calif.

Concerned with
every phase of
control systems
development.
Projects include
digital computers,
analog control
systems, telemetering
systems, magnetic
memory systems,
analog subsystems
and special purpose
computer systems.
Instruments include:
Magsense® controllers,
tape-to-tape converters,
transducers, d-c amplifiers
and special purpose
printers.

Worcester, Pa.

Products include
miniature and
sub-miniature
servo motors,
motor-generators,
temperature-
compensated
motor-generators,
synchros, pancake
resolvers, and
servo packages.

Newark, N. J.

Archbald, Pa.

Ponce, Puerto Rico

Poughkeepsie, N. Y.

Varied line of
measuring and
control instruments,
meters, relays,
gauges (including
x-ray and optical
potentiometers,
varistors, electronic
components, test
equipment, instrument
transformers, call
thermometers, and
specialized systems.

*owned by Schlumberger Limited
Managed by Daystrom, Incorporated.

incorporated

emberger Limited

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ff

Vice Pres.
Administration

Senior
Vice Pres.

Marketing
Coordinator

Director
Personnel

Divisions

Gen'l. Mgr.
Instrument
ronics Div.

President
Heath
Company

Pres. & Gen'l. Mgr.
Daystrom, Lt'd.
Canada

Gen'l. Mgr.
Electric
Div.

Benton Harbor, Mich.

Gloucester, England

Frankfurt, Germany

Produces for
direct mail sale
diversified line
of electronic
home and hobby
equipment, amateur
radio gear, standard
radio and TV sets,
citizens band
equipment, marine
instruments (radio-
telephones, depth
sounders, direction
finders), automotive
and industrial test
devices and instrumentation,
and scientific and
educational electronic kits

Cooksville, Ont.

Markets industrial
products of domestic
divisions and produces
a line of electrical-
electronic instruments,
components, and
measurement and control
devices. Also produces
for sale in Canada many
Heath products.

Poughkeepsie, N. Y.

Specializes in ASW
and oceanography
from standpoint of
basic and applied
research and
development. Also
manufacturing a
product line including
explosive echo-ranging
ASW detection systems,
related ASW ordinance,
and integrated airborne
ASW detection equipment
and recording equipment.
Facilities include
deepwater test quarry
and an ocean-going
research vessel.

